

F18B - For Wet Method Fluorescent Magnetic Particle Testing

DESCRIPTION

ZChek F18B is a water-based concentrate consisting of prepared liquid concentrate of fluorescent powder, wetting agents, and corrosion inhibitors. ZChek F18B is to be used with water bath.

CONFORMANCE / SPECIFICATION COMPLIANCE

- ASM E B &PV Code, Sec V
- AMS 3044
- ASTM E 1444/E 1444M
- ASTM E 709
- EN ISO 9934-2

APPLICATIONS

ZChek F18B is designed to detect medium to fine surface and slightly subsurface discontinuities like inclusions, seams, shrink cracks, tears, laps, flakes, welding defects, grinding cracks, quenching cracks, and fatigue cracks.

TYPICAL PROPERTIES

Color Under White Light	Dark Brown
Color Under Black Light	Yellow-Green Fluorescence
Mean Particle Size	6 Microns
Particle Size Range	1-16 Microns
SAE Sensitivity	8-9 (Ketos Ring)
Max. Operating Temperature	49°C Maximum
Settling volume	0.1-0.4 ml

DIRECTIONS FOR USE

- Use F18B concentrated liquid at 27 ml per litre of water.
- Shake ZChek F18B container well to suspend the settled particles and to attain uniform distribution of particles in the concentrate.

- Check the concentration of the bath before use at least once each day using centrifuge tube.
- Parts should be clean and dry prior to testing.
- The bath must be under continuous agitation.
- Using the wet continuous method, the bath is applied to all surfaces of the part. The instant the bath stream is removed from the part the magnetizing current is applied.

PACK SIZES

- Available in 1 litre pail/ 5 litre pail

HEALTH & SAFETY

Information on Health & Safety is made available through material safety data sheets and the same can be reviewed through the company's website www.zchem.in.

STORAGE & SHELF LIFE

Aerosol Cans have a Shelf Life of 3 Years and the Bulk Packing of 5 years if unopened and stored as per ZChem recommendations.

Manufactured By:

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Disclaimer: We have taken best care to ensure that the information provided in this data sheet is accurate. Our product is guaranteed to conform to the specifications provided. We make no other warranty; hence the liability is limited to replacement of product only.